

**IN THE UNITED STATES
PATENT AND TRADEMARK OFFICE**

PATENT APPLICATION

APPLICANT(S): Wing K. Luk
Robert H. Dennard

**ASSIGNEE
NAME:** International Business
Machines Corporation

**ASSIGNEE
RESIDENCE:** Armonk, New York

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I hereby certify that this paper is being deposited with the U. S. Postal Service
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Box 1450, Alexandria, VA 22313-1450

Signature: *Tim Maurice* Date: January 5, 2004

TITLE: **3T1D MEMORY CELLS USING GATED DIODES AND METHODS
OF USE THEREOF**

**MAIL STOP PATENT APPLICATION
COMMISSIONER FOR PATENTS
P.O. BOX 1450
ALEXANDRIA, VA 22313-1450**

SIR:

Enclosed are the following papers relating to the above-named application for patent:

Application - 42 pages of Specification, 12 pages of Claims and 1 page of Abstract
26 Sheets of informal drawing(s)
Declaration and Power of Attorney
Assignment with Cover Sheet

CLAIMS AS FILED				
	NO. FILED	NO. EXTRA	RATE	CALCULATIONS
Total Claims	42 - 20 =	22	x \$18 =	\$ 396
Independent Claims	4 - 3 =	1	x \$86 =	\$ 86
Multiple Dependent Claim(s), if applicable			\$ 280 =	\$ 0
Basic Fee				\$ 770
			TOTAL FEE:	\$1,252

Please file the application and charge **International Business Machines Corporation's Deposit Account No. 50-0510** the amount of \$1,252 to cover the filing fee. In the event of non-payment or improper payment of a required fee, the Commissioner is authorized to charge or to credit **International Business Machines Corporation's Deposit Account No. 50-0510** as required to correct the error. Duplicate copies of this letter are enclosed.

22581 U.S. PTO
10/751713



010504

17224 U.S. PTO
010504



Please address all correspondence to: **Ryan, Mason & Lewis, LLP, 1300 Post Road, Suite 205, Fairfield, CT 06824**. Telephone calls should be made to the under-signed attorney at (203) 255-6560.

Respectfully,



Date: January 5, 2004

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